

Seat  
No.

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मध - 073

**Comp. Communication Networks  
(New) (1240)**

P. Pages : 2

Time : Three Hours

Max. Marks : 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answersheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Attempt **any two** questions from each unit.
5. Figures to the right indicates full marks.

**UNIT - I**

1. a) Explain TCP/IP reference model with diagram ? **10**  
b) Explain the concept of internet & Novell Netware ? **10**  
c) Explain wireless transmission media with it's types ? **10**

**UNIT - II**

2. a) Explain design issues of data link layer ? **10**  
b) Explain sliding window protocol with it's types. **10**  
c) Explain ALOHA with it's types ? **10**

**UNIT - III**

3. a) Define routing algorithm ? Explain properties of routing algorithm & explain shortest path routing algorithm ? **10**  
b) Explain design issues of network layer. **10**  
c) Explain congestion control in virtual circuit subnet and datagram subnet ? **10**

## UNIT - IV

4. a) Explain IP address & subnet ? 10
- b) Explain IPV<sub>4</sub> with header format ? 10
- c) Explain architecture of ATM LAN ? 10

## UNIT - V

5. a) Explain TCP & UDP segment with diagram ? 10
- b) Give note on Electronic-mail ? 10
- c) Give note on World Wide Web ? 10

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